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- (71) Applicant (for all designated States except US): BAE SYSTEMS INFORMATION AND ELECTRONIC SYSTEMS INTEGRATION INC. [US/US]; 65 Spit Brook Road, Nhq01-719, Nashua, New Hampshire 03060 (US).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): ZANK, Paul, A. [US/US]; 20 Kodiak Road, Brookline, New Hampshire 03033 (US). MERCIER, Michael [US/US]; 20 Sunapee Street, Nashua, New Hampshire 03063 (US).
- (74) Agent: LONG, Daniel, J.; BAE SYSTEMS INFORMATION AND ELECTRONIC SYSTEMS INT, EGRATION INC., 65 Spit Brook Road, NHQ01-719, Nashua, New Hampshire 03060 (US).

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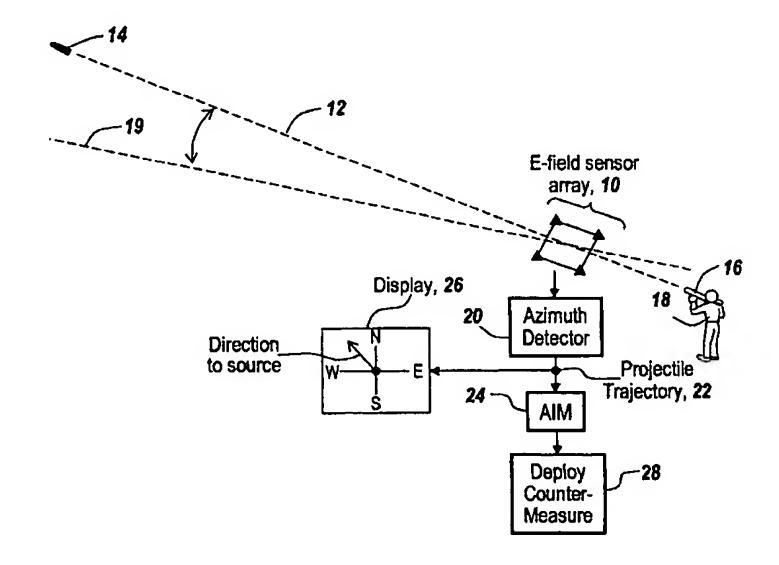
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(54) Title: METHOD AND APPARATUS FOR DETECTING SOURCES OF PROJECTILES



(57) Abstract: What is provided is the use of an array of E-field sensors (10) to detect the closest approach of incoming projectiles (14) and to determine through time difference of arrival the bearing (22) of the incoming projectile (14), thus to identify the bearing of the source of the projectile. dE/dT (96) processing of the individual outputs of the E-field sensors (10) indicates by the zero crossing (98) the peak of the E-field disturbance and thus the instance of time of the closest approach of the projectile (14) to a sensor.

WO 2006/093511 A3

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Category *	Citation of document, with indication, where a	opropriate, of the relevant passages	Relevant to claim No.
Y	US 4,931,740 A (HASSANZADEH et al.) 5 June 19	990 (05.06.1990) the entire document	1-20
Y	US 3,564,529 A (KAUFMAN et al.) 16 February 1971 (16.02.1971) the entire document		1-20
Y	US 4,638,321 A (DROGIN) 20 January 1987 (20.01.1987) the entire document		2,3
E	US 20040239562 A1 (SCHANTZ) 02 December 2004 (2.12.2004) paragraph [0040]		6
A	US 6,031,378 A (ROSIN) 29 February 2000 (29.02.2000) the entire document		1-20
Υ	US 3,956,743 A (GEISZLER et al) 11 May 1976 (5.11.1976) column 3,lines 8-31.		7
	documents are listed in the continuation of Box C.	See patent family annex.	
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